

Design Standards Letter

Letter Number: **G-1992-14**

Letter Date: **08/24/1992**

Effective Date: **08/24/1992**

Section/Plan No.: **P503.00, P504.00**

Subject: **Bridge Approach Slab Drawings, Concrete Approach Pavement and Drain Basin Standard Drawing Implementation**

Body

This letter is intended to provide you with some advance notification and a brief explanation of revisions to the above mentioned drawings and standard drawings.

The Bridge Division has developed drawings for a new bridge approach slab. Effective with the January, 1993 letting the approach slab will become a Bridge Division bid item and the drawings for the approach slab will be included in the bridge plans. The general special provisions will be revised to reflect this change and a new bid item has been issued for payment. The new bridge approach slab is to be used on all new bridge structures. For bridge widenings, where possible, the existing approach slab should be removed and the new bridge approach slab be constructed. Stage construction and traffic handling coordination should be attained as early as possible with John Schroeder of the Preliminary Design section of the Bridge Division. Sometime in the future Standard Drawing 503.00 for Concrete Approach Slabs To Bridges will probably be deleted.

A new standard drawing, Concrete Approach Pavement, which will be given drawing number 504.00 will be distributed, also effective with the January, 1993 letting. This approach pavement will consist of a reinforced concrete pavement with tied, reinforced concrete shoulders. It will be thirty (30) feet long, have a minimum thickness of 12 inches, with a maximum thickness of 14 inches depending on the mainline pavement thickness. These details as well as others will be shown on the standard drawing. A new bid item number has been distributed to take care of payment. The bid item number is 504-10.00.

A new standard drawing that has been revised is the drain basin drawing number 609.40E. This revised drawing is also effective with the January, 1993 letting. This revision is the result of a value engineering study. The

revised drain basin standard drawing consists, in general, of a drop inlet with a corrugated metal piping system. It is to be placed in the tied, reinforced concrete shoulder of the Concrete Approach Pavement, if drain basins are required. The bid item number for payment will remain 609-40.10.

These new and revised standard drawings will be distributed early in October, 1992 for your use. We will also include 8 1/2 inch X 11 inch copies of the new bridge approach slab for your information only.

I hope that this information concerning approach slabs, approach pavement, and drain basins will aid you in your preparation of roadway design plans. If you have any questions concerning this information you can contact Vince Imhoff by telephone at 751-9525.

vji/kd